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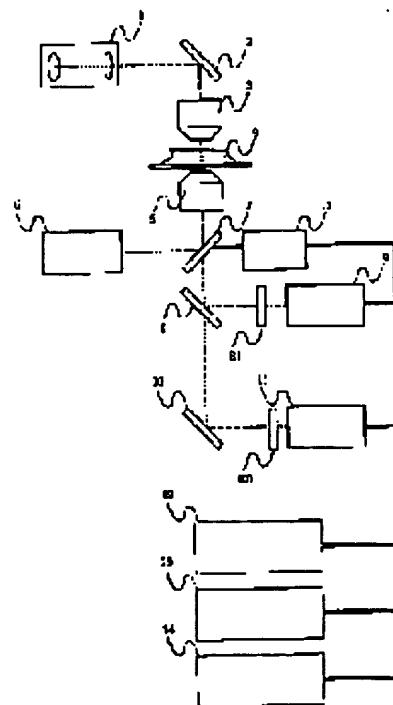
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(54) OPTICAL MEASURING APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a means which observes a change, in the state of a solution, caused by a sample in a shape having a spatial resolution.

SOLUTION: An optical measuring apparatus is composed of a mechanism for an optical trap by which monochromatic parallel light generated by a laser light source 6 is introduced into an objective lens 5 through a semitransparent mirror 7 and by which fluorescent fine particles are captured by focused light and of the fluorescent fine particles which are captured by the optical trap, which move the focusing point of the light, whose fluorescent intensity in respective positions is measured and by which the state of a solution can be detected. The semi-transparent mirror 7 is controlled by a scanning mechanism 15 according to a change in the fluorescent intensity of the fine particles through an image processing and analysis part 13, and the position of the optical trap can be moved.



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